

FOAM SEAL SYSTEMS

CSR-Series



Description

The Rampart Contour Seal (CSR) is made of preformed compressible material, which can be used in a variety of waterproofing applications. It is made of polyurethane, micro cell foam, which is hydrophobic, flame retardant, chemically resistant, UV stable foam. The CSR seal has constant internal forces built into each cell. These cells continuously push against each other and the sidewalls of an opening. This force is used to keep out water, moisture, dust, sound, and weather. The product is designed to provide a permanent, watertight seal, and assures protection as a secondary sealer.

The pre-compressed, self-adhering material, allows for its use in vertical applications. In areas where dust, water, or noise are a consideration, the CSR seal has movement capability of +/-25% . The texture of the closed cell material resembles sponge-packing foam.

CSR is typically used in vertical applications in buildings, garages, plaza decks, and other areas where high performance sealing of interior and exterior joint openings is a requirement.

Features and Benefits

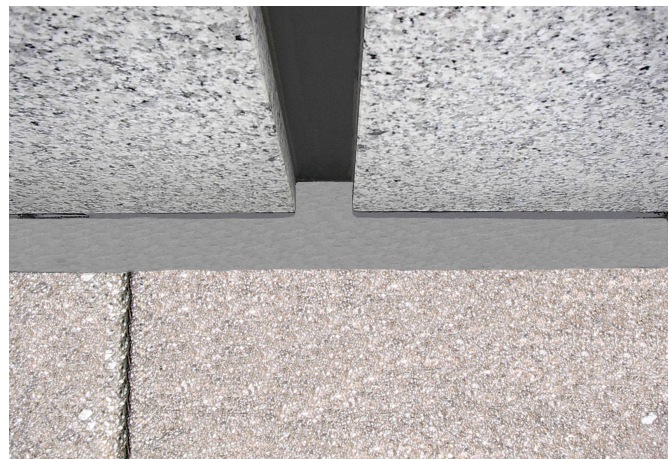
- Permanently conforms to varying joint contours
- Excellent compression recovery due to thermal change
- No thermal-set; material remains resilient and flexible down to -40° F temperatures
- Provides a watertight barrier against the elements and noise
- Ease of installation: Simply clean surface, peel off the protective tape and press into place.
- Movement capability of +/-25% with total movement of 50%.
- EMS provides a ten-year warranty for the material, allowing for replacement of the material if product failure should occur.

Physical Properties

<i>Properties</i>	<i>Result</i>
Density	10 lb./cu. ft. (160 kg/m3)
Thermal Conductivity	0.05 W/m. °C
Thermal Resistance	ASTM C 518, 3/3, hr-°F-ft2/Btu
Temperature Range	-40° F to 212° F
Bleeding	None @ 212° F under 20% comp.
Tensile Strength	ASTM 3574, meets 21 psi min.
Ultimate Elongation	ASTM 3574, 125% +/- 20%
Compression Set	ASTM 3574, Max. 2.5%
Shear Strength	Min. 8N/cm2
Mildew Resistant	Excellent
UV Resistant	Excellent
Staining	None -40° to 212° F



Problem - The caulk along this wall has failed several times. Multiple layers of caulk were poured into the new cracks at the beginning of every season, in an attempt to stop the water.



Solution - Total removal of the failed caulk, installation of the Rampart Contour Seal, and a fresh layer of uniform caulk corrected this situation once and for all.